BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : DEVELOPMENT OF ROADS AND DRAINS AT ATTUR, ANANTHAPURA, 3rd PHASE SANITARY CORE AREAS AND DRILLING OF BOREWELLS AND PROVIDING PIPELINE AT SC/ST AREA IN WARD NO.03 & 04 OF YELAHANKA DIVISION (PACKAGE NO-09)

Job Number - 003-21-000044						Estimate Cost Rs.	500.00	Lakhs
Sl. No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in **hard soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH Chapter 3 (Page No.143 & Item No-19.2)								
	for New Rcc Drains	Cum							
	Chikka dodda Layout		1	105.00	1.00	1.00	105.00		
	7th Main Road from 4th Cross to 5th Cross		2	46.00	1.00	1.00	92.00		
	8th Main Road from 4th Cross to 5th Cross		2	46.00	1.00	1.00	92.00		
	5th Main Road from 2nd Cross to 3rd Cross		1	72.00	1.00	1.00	72.00		
	for RCC Culverts		3	6.00	1.30	1.20	28.08		
	for New Rcc Drains								
	8th Main Road at Dead End		2	29.00	1.00	1.00	58.00		
	8th Main Road 2nd Cross		1	28.00	1.00	1.00	28.00		
	for RCC Culverts		1	9.00	1.50	1.20	16.20		
	for New Rcc Drains (Attur Village)								
	5th Cross Road, from 3rd to 4th Main		2	27.00	1.00	1.00	54.00		
	5th Cross Road, from 4th to 5th Main		2	25.00	1.00	1.00	50.00		
	5th Cross Road, from 5th to 6th Main		2	27.00	1.00	1.00	54.00		
	5th Cross Road, from 6th to 7th Main		2	24.50	1.00	1.00	49.00		
	5th Cross Road, from 7th to 8th Main		2	24.00	1.00	1.00	48.00		
	5th Cross Road, from 8th to 9th Main		2	25.00	1.00	1.00	50.00		
	6th Main Road from 5th Cross to End Road		2	37.00	1.00	1.00	74.00		
	7th Main Road from 5th Cross to End Road		2	35.00	1.00	1.00	70.00		
	8th Main Road from 5th Cross to End Road		2	22.00	1.00	1.00	44.00		
	8th Main Road from 3rd Cross to 4th Cross		2	80.00	1.00	1.10	176.00		
	for RCC Culverts		12	5.50	1.50	1.30	128.70		
	for New Rcc Drains								
	19th 'B' Cross Road (Floor Mill Road, LHS)		1	470.00	1.10	1.00	517.00		
	19th 'B' Cross Road (Floor Mill Road, RHS)		1	360.00	1.10	1.10	435.60		
	21st 'A' Ambedkar Road		1	180.00	0.80	0.90	129.60		
	21st 'B' Ambedkar Road		1	180.00	0.80	0.90	129.60		
	Ganesha Temple Road		1	110.00	0.80	0.90	79.20		
	9th 'B' Main Road		1	105.00	1.00	1.00	105.00		
	for RCC Culverts		11	6.00	1.60	1.00	105.60		
						Total Qty	**2790.58**	189.74	**529485.00**
	Basic Rate	179.00							
	Area Weightage @ 6%	10.74							
	Total	**189.74**							
2	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 (P.No.143/ Item No.19.14)								
	for CC Roads	Cum							
	Chikka dodda Layout		1	105.00	5.60	0.45	264.60		
	for Asphalt Road								
	11th Main Cross Roads		1	34.60	4.40	0.40	60.90		
			1	81.00	5.00	0.40	162.00		
	8th Main Road		1	174.00	5.00	0.40	348.00		
	8th Main 1st Cross		1	68.00	5.00	0.40	136.00		

Job Number - 003-21-000044 | Estimate Cost Rs. 500.00 Lakhs

Sl. No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	8th Main 2nd Cross		1	28.00	5.00	0.40	56.00		
			1	87.00	5.00	0.30	130.50		
	9th Main Road		1	98.00	5.50	0.40	215.60		
	10th Main Road		1	68.00	5.40	0.40	146.88		
	11th Main 1st Cross Road		1	129.00	6.55	0.40	337.98		
	11th Main 3rd Cross Road		1	189.00	6.20	0.40	468.72		
	11th Main 3rd Cross Sub cross.1		1	32.00	5.00	0.40	64.00		
	11th Main 3rd Cross Sub cross.2		1	31.00	6.00	0.30	55.80		
	11th Main 3rd Cross Sub cross.3		1	31.00	5.60	0.40	69.44		
	11th Main 3rd Cross Sub cross.4		1	30.00	5.60	0.30	50.40		
	11th Main 3rd Cross Sub cross.5		1	29.00	5.20	0.40	60.32		
	for CC Roads								
	5th Cross Road, from 3rd to 9th Main		1	182.50	4.20	0.45	344.93		
	6th Main Road from 5th Cross to End Road		1	37.00	5.00	0.45	83.25		
	7th Main Road from 5th Cross to End Road		1	35.00	5.00	0.45	78.76		
	8th Main Road from 5th Cross to End Road		1	22.00	5.00	0.45	49.50		
	for CC Roads								
	Cross Roads		1	19.00	3.00	0.45	25.65		
			1	90.00	3.50	0.45	141.75		
					Total Qty		**3350.97**	43.46	**145633.00**
	Basic Rate	41.00							
	Area Weightage @ 6%	2.46							
	Total	**43.46**							
3	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.136 & Item No 17.1)								
		Cum							
			Qty Vide Item No.1+2+51				**6530.92**	95.40	**623049.77**
	Basic Rate for Haulage of materials as per Item No.17.4	2.00 t.k							
	Area Weightage of earth (1.28 tonne/km) for 15km (2.00X1.28X15.00)	38.40							
	Add loading and unloading Item No 17.1)	57.00							
	Total	95.40							
4	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications. MORTH / Chapter 3 (P.No.147/ Item No.19.64)								
	for CC Roads	Sqm							
	Chikka dodda Layout		1	105.00	5.60		588.00		
	for Asphalt Road								
	11th Main Cross Roads		1	34.60	4.40		152.24		
			1	81.00	5.00		405.00		
	8th Main Road		1	174.00	5.00		870.00		
	8th Main 1st Cross		1	68.00	5.00		340.00		
	8th Main 2nd Cross		1	28.00	5.00		140.00		
			1	87.00	5.00		435.00		
	9th Main Road		1	98.00	5.50		539.00		
	10th Main Road		1	68.00	5.40		367.20		
	11th Main 1st Cross Road		1	129.00	6.55		844.95		
	11th Main 3rd Cross Road		1	189.00	6.20		1171.80		
	11th Main 3rd Cross Sub cross.1		1	32.00	5.00		160.00		
	11th Main 3rd Cross Sub cross.2		1	31.00	6.00		186.00		
	11th Main 3rd Cross Sub cross.3		1	31.00	5.60		173.60		
	11th Main 3rd Cross Sub cross.4		1	30.00	5.60		168.00		

Job Number - 003-21-000044

Estimate Cost Rs. 500.00 Lakhs

Sl. No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	11th Main 3rd Cross Sub cross.5		1	29.00	5.20		150.80		
	for CC Roads								
	5th Cross Road, from 3rd to 9th Main		1	182.50	4.20		766.50		
	6th Main Road from 5th Cross to End Road		1	37.00	5.00		185.00		
	7th Main Road from 5th Cross to End Road		1	35.00	5.00		175.00		
	8th Main Road from 5th Cross to End Road		1	22.00	5.00		110.00		
	for CC Roads								
	Cross Roads		1	19.00	3.00		57.00		
			1	90.00	3.50		315.00		
					Total Qty		**8300.09**	6.36	**52789.00**
	Basic Rate	6.00							
	Area Weightage @ 6%	0.36							
	Total	**6.36**							
5	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **Mix 1:4:8** with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications.Specification No. KBS 4.1, 4.2 (Page No.13 & Item No.4.3)								
	for New Rcc Drains	Cum							
	Chikka dodda Layout		1	105.00	1.00	0.15	15.75		
	7th Main Road from 4th Cross to 5th Cross		2	46.00	1.00	0.15	13.80		
	8th Main Road from 4th Cross to 5th Cross		2	46.00	1.00	0.15	13.80		
	5th Main Road from 2nd Cross to 3rd Cross		1	72.00	1.00	0.15	10.80		
	for RCC Culverts		3	6.00	1.30	0.15	3.51		
	for CC Roads								
	Chikka dodda Layout		1	105.00	5.60	0.15	88.20		
	for New Rcc Drains								
	8th Main Road at Dead End		2	29.00	1.00	0.15	8.70		
	8th Main Road 2nd Cross		1	28.00	1.00	0.15	4.20		
	for RCC Culverts		1	9.00	1.50	0.15	2.03		
	for New Rcc Drains (Attur Village)	**Cum**							
	5th Cross Road, from 3rd to 4th Main		2	27.00	1.00	0.15	8.10		
	5th Cross Road, from 4th to 5th Main		2	25.00	1.00	0.15	7.50		
	5th Cross Road, from 5th to 6th Main		2	27.00	1.00	0.15	8.10		
	5th Cross Road, from 6th to 7th Main		2	24.50	1.00	0.15	7.36		
	5th Cross Road, from 7th to 8th Main		2	24.00	1.00	0.15	7.20		
	5th Cross Road, from 8th to 9th Main		2	25.00	1.00	0.15	7.50		
	6th Main Road from 5th Cross to End Road		2	37.00	1.00	0.15	11.10		
	7th Main Road from 5th Cross to End Road		2	35.00	1.00	0.15	10.50		
	8th Main Road from 5th Cross to End Road		2	22.00	1.00	0.15	6.60		
	8th Main Road from 3rd Cross to 4th Cross		2	80.00	1.00	0.15	24.00		
	for RCC Culverts		12	5.50	1.50	0.15	14.85		
	for CC Roads								
	5th Cross Road, from 3rd to 9th Main		1	182.50	4.20	0.15	114.98		
	6th Main Road from 5th Cross to End Road		1	37.00	5.00	0.15	27.75		
	7th Main Road from 5th Cross to End Road		1	35.00	5.00	0.15	26.25		
	8th Main Road from 5th Cross to End Road		1	22.00	5.00	0.15	16.50		
	for New Rcc Drains								
	19th 'B' Cross Road (Floor Mill Road, LHS)		1	470.00	1.10	0.15	77.55		
	19th 'B' Cross Road (Floor Mill Road, RHS)		1	360.00	1.10	0.15	59.40		
	21st 'A' Ambedkar Road		1	180.00	0.80	0.15	21.60		
	21st 'B' Ambedkar Road		1	180.00	0.80	0.15	21.60		
	Ganesha Temple Road		1	110.00	0.80	0.15	13.20		
	9th 'B' Main Road		1	105.00	1.00	0.15	15.75		
	for RCC Culverts		11	6.00	1.60	0.15	15.84		

Job Number - 003-21-000044

Estimate Cost Rs. 500.00 Lakhs

Sl. No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	for CC Roads								
			1	19.00	3.00	0.15	8.55		
			1	90.00	3.50	0.15	47.25		
					Total Qty		**739.81**	5408.12	**4000981.26**
	Basic Rate	5102.00							
	Area Weightage @ 6%	306.12							
	Total	**5408.12**							
6	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200 including cost of materials, labour, HOM complete as per specifications. -do- Wall & bottom thickness 15cm (Page.No.271 & Item No-37.59.2)								
	Raft	Cum							
	Chikka dodda Layout		1	105.00	0.90	0.15	14.18		
	7th Main Road from 4th Cross to 5th Cross		2	46.00	0.90	0.15	12.42		
	8th Main Road from 4th Cross to 5th Cross		2	46.00	0.90	0.15	12.42		
	5th Main Road from 2nd Cross to 3rd Cross		1	72.00	0.90	0.15	9.72		
	for culverts		3	6.00	1.20	0.15	3.24		
	side wall		2	105.00	0.15	0.60	18.90		
			4	46.00	0.15	0.60	16.56		
			4	46.00	0.15	0.60	16.56		
			2	72.00	0.15	0.60	12.96		
			6	6.00	0.30	0.60	6.48		
	Raft								
	8th Main Road at Dead End		2	29.00	0.90	0.15	7.83		
	8th Main Road 2nd Cross		1	28.00	0.90	0.15	3.78		
	for culverts		1	9.00	1.50	0.15	2.03		
	side wall		4	29.00	0.15	0.60	10.44		
			2	28.00	0.15	0.60	5.04		
			2	9.00	0.30	0.60	3.24		
	Raft								
	5th Cross Road, from 3rd to 4th Main		2	27.00	0.90	0.15	7.29		
	5th Cross Road, from 4th to 5th Main		2	25.00	0.90	0.15	6.75		
	5th Cross Road, from 5th to 6th Main		2	27.00	0.90	0.15	7.29		
	5th Cross Road, from 6th to 7th Main		2	24.50	0.90	0.15	6.62		
	5th Cross Road, from 7th to 8th Main		2	24.00	0.90	0.15	6.48		
	5th Cross Road, from 8th to 9th Main		2	25.00	0.90	0.15	6.75		
	6th Main Road from 5th Cross to End Road		2	37.00	0.90	0.15	9.99		
	7th Main Road from 5th Cross to End Road		2	35.00	0.90	0.15	9.45		
	8th Main Road from 5th Cross to End Road		2	22.00	0.90	0.15	5.94		
	8th Main Road from 3rd Cross to 4th Cross		2	80.00	0.90	0.15	21.60		
	for culverts		12	5.50	1.20	0.15	11.88		
	side wall		4	27.00	0.15	0.60	9.72		
			4	25.00	0.15	0.60	9.00		
			4	27.00	0.15	0.60	9.72		
			4	24.50	0.15	0.60	8.82		
			4	24.00	0.15	0.60	8.64		
			4	25.00	0.15	0.60	9.00		
			4	37.00	0.15	0.60	13.32		
			4	35.00	0.15	0.60	12.60		
			4	22.00	0.15	0.60	7.92		
			4	80.00	0.15	0.60	28.80		
			24	5.50	0.30	0.60	23.76		
	Raft								

Job Number - 003-21-000044				Estimate Cost Rs.				500.00	Lakhs
Sl. No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	19th 'B' Cross Road (Floor Mill Road, LHS)		1	470.00	0.90	0.15	63.45		
	19th 'B' Cross Road (Floor Mill Road, RHS)		1	360.00	0.90	0.15	48.60		
	21st 'A' Ambedkar Road		1	180.00	0.70	0.15	18.90		
	21st 'B' Ambedkar Road		1	180.00	0.70	0.15	18.90		
	Ganesha Temple Road		1	110.00	0.70	0.15	11.55		
	9th 'B' Main Road		1	105.00	0.90	0.15	14.18		
	for culverts		11	6.00	1.50	0.20	19.80		
	side wall		2	470.00	0.15	0.90	126.90		
			2	360.00	0.15	0.90	97.20		
			2	180.00	0.15	0.60	32.42		
			2	180.00	0.15	0.60	32.40		
			2	110.00	0.15	0.60	19.80		
			2	105.00	0.15	0.60	18.90		
			22	6.00	0.30	0.90	35.64		
					Total Qty		**955.76**	7070.20	**6757414.35**
	Basic Rate	6670.00							
	Area Weightage @ 6%	400.20							
	Total	**7070.20**							
7	KSRB 4.9.2:Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3-do-TMT Bars Fe 500 (Page No.18 & Item No.4.46.2)								
		tonne							
		60% of Qty Vide Item No.6 in Qtl					580.72		
					in tonne		**58.07**	75223.96	**4368404.12**
	Basic Rate	70966.00							
	Area Weightage @ 6%	4257.96							
	Total	**75223.96**							
8	Supply and fixing **Precast reinforced concrete slab 10cm thick** including cost of reinforcement as per design and drawing, material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveynce charges, labour charges inclusive of cost of all materials.								
		Sqm							
	Chikka dodda Layout		1	105.00	0.75		78.75		
	7th Main Road from 4th Cross to 5th Cross		2	46.00	0.75		69.00		
	8th Main Road from 4th Cross to 5th Cross		2	46.00	0.75		69.00		
	5th Main Road from 2nd Cross to 3rd Cross		1	72.00	0.75		54.00		
	8th Main Road at Dead End		2	29.00	0.90		52.20		
	8th Main Road 2nd Cross		1	28.00	0.90		25.20		
	5th Cross Road, from 3rd to 4th Main		2	27.00	0.75		40.50		
	5th Cross Road, from 4th to 5th Main		2	25.00	0.75		37.50		
	5th Cross Road, from 5th to 6th Main		2	27.00	0.75		40.50		
	5th Cross Road, from 6th to 7th Main		2	24.50	0.75		36.75		
	5th Cross Road, from 7th to 8th Main		2	24.00	0.75		36.00		
	5th Cross Road, from 8th to 9th Main		2	25.00	0.75		37.50		
	6th Main Road from 5th Cross to End Road		2	37.00	0.75		55.50		
	7th Main Road from 5th Cross to End Road		2	35.00	0.75		52.50		
	8th Main Road from 5th Cross to End Road		2	22.00	0.75		33.00		
	8th Main Road from 3rd Cross to 4th Cross		2	80.00	0.75		120.00		
	19th 'B' Cross Road (Floor Mill Road, LHS)		1	470.00	0.90		423.00		
	19th 'B' Cross Road (Floor Mill Road, RHS)		1	360.00	0.90		324.00		

Job Number - 003-21-000044				Estimate Cost Rs.				500.00	Lakhs
Sl. No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	21st 'A' Ambedkar Road		1	180.00	0.60		108.00		
	21st 'B' Ambedkar Road		1	180.00	0.60		108.00		
	Ganesha Temple Road		1	110.00	0.60		66.00		
	9th 'B' Main Road		1	105.00	0.90		94.50		
					Net Qty		1961.40	2337.00	4583791.80
	Data Rate	2337.00							
9	Supply and fixing **Precast reinforced concrete slab 250cm thick** including cost of reinforcement as per design and drawing, material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveynce charges, labour charges inclusive of cost of all materials.								
		Sqm							
	for culverts		3	6.00	1.20		21.60		
			1	9.00	1.20		10.80		
			12	5.50	1.20		79.20		
			20	1.50	0.60		18.00		
			11	6.00	1.50		99.00		
					Net Qty		228.60	5418.00	1238554.80
	Data Rate	5418.00							
10	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/ basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision.(P.No.153 It.No.20.5)								
	for CC Roads	Cum							
	Chikka dodda Layout		1	105.00	5.60	0.15	88.20		
	for Asphalt Road								
	11th Main Cross Roads		1	34.60	4.40	0.20	30.45		
			1	81.00	5.00	0.20	81.00		
	8th Main Road		1	174.00	5.00	0.20	174.00		
	8th Main 1st Cross		1	68.00	5.00	0.20	68.00		
	8th Main 2nd Cross		1	28.00	5.00	0.20	28.00		
			1	87.00	5.00	0.20	87.00		
	9th Main Road		1	98.00	5.50	0.20	107.80		
	10th Main Road		1	68.00	5.40	0.20	73.44		
	11th Main 1st Cross Road		1	129.00	6.55	0.20	168.99		
	11th Main 3rd Cross Road		1	189.00	6.20	0.20	234.36		
	11th Main 3rd Cross Sub cross.1		1	32.00	5.00	0.20	32.00		
	11th Main 3rd Cross Sub cross.2		1	31.00	6.00	0.20	37.20		
	11th Main 3rd Cross Sub cross.3		1	31.00	5.60	0.20	34.72		
	11th Main 3rd Cross Sub cross.4		1	30.00	5.60	0.20	33.60		
	11th Main 3rd Cross Sub cross.5		1	29.00	5.20	0.20	30.16		
	5th Cross Road, from 3rd to 9th Main		1	182.50	4.20	0.20	153.30		
	6th Main Road from 5th Cross to End Road		1	37.00	5.00	0.20	37.00		
	7th Main Road from 5th Cross to End Road		1	35.00	5.00	0.20	35.00		
	8th Main Road from 5th Cross to End Road		1	22.00	5.00	0.20	22.00		
	Cross Roads		1	19.00	3.00	0.20	11.40		
			1	90.00	3.50	0.20	63.00		
					Total Qty		1630.62	1994.92	3252952.00
	Basic Rate	1882.00							
	Area Weightage @ 6%	112.92							
	Total	1994.92							

Job Number - 003-21-000044				Estimate Cost Rs.				500.00	Lakhs
Sl. No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
11	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. (Page No.175&176 & Item No-22.6.1)								
	for CC Roads	Cum							
	Chikka dodda Layout		1	105.00	5.60	0.15	88.20		
	for CC Roads								
	5th Cross Road, from 3rd to 9th Main		1	182.50	4.20	0.15	114.98		
	6th Main Road from 5th Cross to End Road		1	37.00	5.00	0.15	27.75		
	7th Main Road from 5th Cross to End Road		1	35.00	5.00	0.15	26.25		
	8th Main Road from 5th Cross to End Road		1	22.00	5.00	0.15	16.50		
	Cross Roads		1	19.00	3.00	0.15	8.55		
			1	90.00	3.50	0.15	47.25		
					Total Qty		**329.48**	5210.96	**1716881.05**
	Basic Rate	4916.00							
	Area Weightage @ 6%	294.96							
	Total	**5210.96**							
12	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. (Page No.27 & Item No. 5.30)								
		No's							
	Chikka dodda Layout		2	105.00	/ 0.45		466.67		
	7th Main Road from 4th Cross to 5th Cross		2	46.00	/ 0.45		204.44		
	8th Main Road from 4th Cross to 5th Cross		2	46.00	/ 0.45		204.44		
	5th Main Road from 2nd Cross to 3rd Cross		1	72.00	/ 0.45		160.00		
	11th Main Cross Roads		2	81.00	/ 0.45		360.00		
	8th Main Road		2	174.00	/ 0.45		773.33		
	8th Main 1st Cross		2	68.00	/ 0.45		302.22		
	8th Main 2nd Cross		2	28.00	/ 0.45		124.44		
			2	87.00	/ 0.45		386.67		
	9th Main Road		2	98.00	/ 0.45		435.56		
	10th Main Road		2	68.00	/ 0.45		302.22		
	11th Main 1st Cross Road		2	129.00	/ 0.45		573.33		
	11th Main 3rd Cross Road		2	189.00	/ 0.45		840.00		
	11th Main 3rd Cross Sub cross.1		2	32.00	/ 0.45		142.22		
	11th Main 3rd Cross Sub cross.2		2	31.00	/ 0.45		137.78		
	11th Main 3rd Cross Sub cross.3		2	31.00	/ 0.45		137.78		
	11th Main 3rd Cross Sub cross.4		2	30.00	/ 0.45		133.33		
	11th Main 3rd Cross Sub cross.5		2	23.80	/ 0.45		105.78		
	5th Cross Road, from 3rd to 4th Main		2	27.00	/ 0.45		120.00		
	5th Cross Road, from 4th to 5th Main		2	25.00	/ 0.45		111.11		
	5th Cross Road, from 5th to 6th Main		2	27.00	/ 0.45		120.00		
	5th Cross Road, from 6th to 7th Main		2	24.50	/ 0.45		108.89		
	5th Cross Road, from 7th to 8th Main		2	24.00	/ 0.45		106.67		

Job Number - 003-21-000044				Estimate Cost Rs.	500.00	Lakhs			
Sl. No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	5th Cross Road, from 8th to 9th Main		2	25.00	/ 0.45		111.11		
	6th Main Road from 5th Cross to End Road		2	37.00	/ 0.45		164.44		
	7th Main Road from 5th Cross to End Road		2	35.00	/ 0.45		155.56		
	8th Main Road from 5th Cross to End Road		2	22.00	/ 0.45		97.78		
	8th Main Road from 3rd Cross to 4th Cross		2	80.00	/ 0.45		355.56		
	19th 'B' Cross Road (Floor Mill Road, LHS)		1	470.00	/ 0.45		1044.44		
	19th 'B' Cross Road (Floor Mill Road, RHS)		1	360.00	/ 0.45		800.00		
	9th 'B' Main Road		1	105.00	/ 0.45		233.33		
					Total Qty		**9319.11**		
					Say		**9319.11**	432.48	**4030329.00**
	Basic Rate	408.00							
	Area Weightage @ 6 %	24.48							
	Total	**432.48**							
13	KSRB 15-19.2 :Providing and applying **ready mix priming coat** over concrete/masonry/asbestos cement sheet/plastered surfaces including preparing the surface after throughly cleaning of oil,grease,dirt and other foreign matter and sand papering including cost of materials, labour, complete as per specifications. (Page No.124 & Item No.15.80)								
		Sqm							
	Chikka dodda Layout		2	105.00		0.40	84.00		
	7th Main Road from 4th Cross to 5th Cross		2	46.00		0.40	36.80		
	8th Main Road from 4th Cross to 5th Cross		2	46.00		0.40	36.80		
	5th Main Road from 2nd Cross to 3rd Cross		1	72.00		0.40	28.80		
	11th Main Cross Roads		2	81.00		0.40	64.80		
	8th Main Road		2	174.00		0.40	139.20		
	8th Main 1st Cross		2	68.00		0.40	54.40		
	8th Main 2nd Cross		2	28.00		0.40	22.40		
			2	87.00		0.40	69.60		
	9th Main Road		2	98.00		0.40	78.40		
	10th Main Road		2	68.00		0.40	54.40		
	11th Main 1st Cross Road		2	129.00		0.40	103.20		
	11th Main 3rd Cross Road		2	189.00		0.40	151.20		
	11th Main 3rd Cross Sub cross.1		2	32.00		0.40	25.60		
	11th Main 3rd Cross Sub cross.2		2	31.00		0.40	24.80		
	11th Main 3rd Cross Sub cross.3		2	31.00		0.40	24.80		
	11th Main 3rd Cross Sub cross.4		2	30.00		0.40	24.00		
	11th Main 3rd Cross Sub cross.5		2	29.00		0.40	23.20		
	5th Cross Road, from 3rd to 4th Main		2	27.00		0.40	21.60		
	5th Cross Road, from 4th to 5th Main		2	25.00		0.40	20.00		
	5th Cross Road, from 5th to 6th Main		2	27.00		0.40	21.60		
	5th Cross Road, from 6th to 7th Main		2	24.50		0.40	19.60		
	5th Cross Road, from 7th to 8th Main		2	24.00		0.40	19.20		
	5th Cross Road, from 8th to 9th Main		2	25.00		0.40	20.00		
	6th Main Road from 5th Cross to End Road		2	37.00		0.40	29.60		
	7th Main Road from 5th Cross to End Road		2	35.00		0.40	28.00		
	8th Main Road from 5th Cross to End Road		2	22.00		0.40	17.60		
	8th Main Road from 3rd Cross to 4th Cross		2	80.00		0.40	64.00		
	19th 'B' Cross Road (Floor Mill Road, LHS)		1	470.00		0.40	188.00		
	19th 'B' Cross Road (Floor Mill Road, RHS)		1	360.00		0.40	144.00		
	9th 'B' Main Road		1	105.00		0.40	42.00		
					Total Qty		**1681.60**	39.22	***65952.00***

Job Number - 003-21-000044				Estimate Cost Rs.				500.00	Lakhs
Sl. No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Basic Rate	37.00							
	Area Weightage @ 6 %	2.22							
	Total	39.22							
14	KSRB 800-1.Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. (Page No.180 & Item No.24.1)								
		Sqm							
	Chikka dodda Layout		2	105.00		0.40	84.00		
	7th Main Road from 4th Cross to 5th Cross		2	46.00		0.40	36.80		
	8th Main Road from 4th Cross to 5th Cross		2	46.00		0.40	36.80		
	5th Main Road from 2nd Cross to 3rd Cross		1	72.00		0.40	28.80		
	11th Main Cross Roads		2	81.00		0.40	64.80		
	8th Main Road		2	174.00		0.40	139.20		
	8th Main 1st Cross		2	68.00		0.40	54.40		
	8th Main 2nd Cross		2	28.00		0.40	22.40		
			2	87.00		0.40	69.60		
	9th Main Road		2	98.00		0.40	78.40		
	10th Main Road		2	68.00		0.40	54.40		
	11th Main 1st Cross Road		2	129.00		0.40	103.20		
	11th Main 3rd Cross Road		2	189.00		0.40	151.20		
	11th Main 3rd Cross Sub cross.1		2	32.00		0.40	25.60		
	11th Main 3rd Cross Sub cross.2		2	31.00		0.40	24.80		
	11th Main 3rd Cross Sub cross.3		2	31.00		0.40	24.80		
	11th Main 3rd Cross Sub cross.4		2	30.00		0.40	24.00		
	11th Main 3rd Cross Sub cross.5		2	29.00		0.40	23.20		
	5th Cross Road, from 3rd to 4th Main		2	27.00		0.40	21.60		
	5th Cross Road, from 4th to 5th Main		2	25.00		0.40	20.00		
	5th Cross Road, from 5th to 6th Main		2	27.00		0.40	21.60		
	5th Cross Road, from 6th to 7th Main		2	24.50		0.40	19.60		
	5th Cross Road, from 7th to 8th Main		2	24.00		0.40	19.20		
	5th Cross Road, from 8th to 9th Main		2	25.00		0.40	20.00		
	6th Main Road from 5th Cross to End Road		2	37.00		0.40	29.60		
	7th Main Road from 5th Cross to End Road		2	35.00		0.40	28.00		
	8th Main Road from 5th Cross to End Road		2	22.00		0.40	17.60		
	8th Main Road from 3rd Cross to 4th Cross		2	80.00		0.40	64.00		
	19th 'B' Cross Road (Floor Mill Road, LHS)		1	470.00		0.40	188.00		
	19th 'B' Cross Road (Floor Mill Road, RHS)		1	360.00		0.40	144.00		
	9th 'B' Main Road		1	105.00		0.40	42.00		
					Total Qty		**1681.60**	84.80	**142600.00**
	Basic Rate	80.00							
	Area Weightage @ 6 %	4.80							
	Total	**84.80**							
15	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on **Bituminous Surface/ Concrete Surface**: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (Page No.182 & Item No.24.15)								
	for CC Roads	Sqm							
	Chikka dodda Layout		0.5	105.00	0.10		5.25		
	for Asphalt Road								

Job Number - 003-21-000044 | Estimate Cost Rs. 500.00 Lakhs

Sl. No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	11th Main Cross Roads		2.5	34.60	0.10		8.65		
			2.5	81.00	0.10		20.25		
	8th Main Road		2.5	174.00	0.10		43.50		
	8th Main 1st Cross		2.5	68.00	0.10		17.00		
	8th Main 2nd Cross		2.5	28.00	0.10		7.00		
			2.5	87.00	0.10		21.75		
	9th Main Road		2.5	98.00	0.10		24.50		
	10th Main Road		2.5	68.00	0.10		17.00		
	11th Main 1st Cross Road		2.5	129.00	0.10		32.25		
	11th Main 3rd Cross Road		2.5	189.00	0.10		47.25		
	11th Main 3rd Cross Sub cross.1		2.5	32.00	0.10		8.00		
	11th Main 3rd Cross Sub cross.2		2.5	31.00	0.10		7.75		
	11th Main 3rd Cross Sub cross.3		2.5	31.00	0.10		7.75		
	11th Main 3rd Cross Sub cross.4		2.5	30.00	0.10		7.50		
	11th Main 3rd Cross Sub cross.5		2.5	29.00	0.10		7.25		
	for CC Roads								
	5th Cross Road, from 3rd to 9th Main		0.5	182.50	0.10		9.13		
	6th Main Road from 5th Cross to End Road		0.5	37.00	0.10		1.85		
	7th Main Road from 5th Cross to End Road		0.5	35.00	0.10		1.75		
	8th Main Road from 5th Cross to End Road		0.5	22.00	0.10		1.10		
	for CC Roads								
			0.5	19.00	0.10		0.95		
			0.5	90.00	0.10		4.50		
					Total Qty		**301.93**	454.74	**137297.00**
	Basic Rate	429.00							
	Area Weightage @ 6 %	25.74							
	Total	**454.74**							
	BOREWELL AND PIPELINE								
16	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc.(RDWS&SC Bangalore Circle SR 2019-20 P.No.126, Item No.13.04)								
		Each BW							
			3				**3.00**	3881.04	**11643.00**
	Basic Rate	3768.00							
	Area Weightage @ 3 %	113.04							
	Total	**3881.04**							
17	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strats including over burden. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,complete) (PRED Bangalore Circle SR 2019-20 P.No.124, Item No.13.01)								
		Rmtr							
	0.00 to 50.00mtrs (RDWS&SC Bangalore Circle SR 2019-20 P.No.124, Item No.13.01 (a)		3	50.00			**150.00**	357.41	***53612.00***
	Basic Rate	347.00							
	Area Weightage @ 3 %	10.41							

Job Number - 003-21-0000-11				Estimate Cost Rs.				500.00	Lakhs
Sl. No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Total	357.41							
18	50.00 to 100.00mtrs (RDWS&SC Bangalore Circle SR 2019-20 P.No.124, Item No.13.01 (b)		3	50.00			150.00	455.26	68289.00
	Basic Rate	442.00							
	Area Weightage @ 3 %	13.26							
	Total	455.26							
19	100.00 to 150.00mtrs (RDWS&SC Bangalore Circle SR 2019-20 P.No.124, Item No.13.01 (c)		3	50.00			150.00	469.68	70452.00
	Basic Rate	456.00							
	Area Weightage @ 3 %	13.68							
	Total	469.68							
20	150.00 to 200.00mtrs (RDWS&SC Bangalore Circle SR 2019-20 P.No.124, Item No.13.01 (d)		3	50.00			150.00	552.08	82812.00
	Basic Rate	536.00							
	Area Weightage @ 3 %	16.08							
	Total	552.08							
21	200.00 to 250.00mtrs (RDWS&SC Bangalore Circle SR 2019-20 P.No.124, Item No.13.01 (e)		3	50.00			150.00	653.02	97953.00
	Basic Rate	634.00							
	Area Weightage @ 3 %	19.02							
	Total	653.02							
22	250.00 to 300.00mtrs (RDWS&SC Bangalore Circle SR 2019-20 P.No.124, Item No.13.01 (f)		3	50.00			150.00	721.00	108150.00
	Basic Rate	700.00							
	Area Weightage @ 3 %	21.00							
	Total	721.00							
23	300.00 to 350.00mtrs (RDWS&SC Bangalore Circle SR 2019-20 P.No.124, Item No.13.01 (g)		3	50.00			150.00	849.75	127463.00
	Basic Rate	825.00							
	Area Weightage @ 3 %	24.75							
	Total	849.75							
24	KSRB13-1.1 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube nominal bore with fittings (medium grade weight 1.27kg/mtr) B class including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.14 / 13.8 (PWP, & IWTD SR 2018-19 Bangalore, P.No.92, I No.13.6) - do - 50 mm dia								
		Rmtr							
			3	345.00			1035.00	542.72	561715.00
	Basic Rate	512.00							
	Area Weightage @ 6%	30.72							
	Total	542.72							
25	Supply of ISI Mark nominal bore plain end steel casing pipe-grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest amendments, electrical resistance welded steel tube material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7m. Both ends threaded conforming to IS 554-1985, one end fixed with socket conforming to IS 42702001 and the other end with screwed pipes. All pipes shall be resonably free from defects. The tubes shall be resonably straight and should be with ISI marking weighing 25.10kg/m. (exclusive of all taxes and duties). Prices include Collar-Medium duty (Page No.246 Item No.13.85 of RURAL DRINKING WATER & SANITATION CIRCLE BANGALORE FOR THE YEAR 2019-20)								
		Rmtr							
			3	60.00			180.00	1364.75	245655.00

Job Number - 003-21-000044				Estimate Cost Rs.				500.00	Lakhs
Sl. No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Basic Rate	1325.00							
	Area Weightage @ 3%	39.75							
	Total	1364.75							
26	Providing and fixing MS casing collars as per IS 1239 (part-II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (PartII) 1982 with all amendments (Page No.246 Item No.13.86 of RURAL DRINKING WATER & SANITATION CIRCLE BANGALORE FOR THE YEAR 2019-20)								
		Each							
			3	11.00			**33.00**	154.50	**5099.00**
	Basic Rate	150.00							
	Area Weightage @ 3%	4.50							
	Total	154.50							
27	Providing and laying at site of work MS casing caps as per IS 1239 (part-II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete with all lead and lifts and as directed by the Engineer in charge (Page No.247 Item No.13.87 of RURAL DRINKING WATER & SANITATION CIRCLE BANGALORE FOR THE YEAR 2019-20)								
		Each							
			3				**3.00**	103.00	**309.00**
	Basic Rate	100.00							
	Area Weightage @ 3%	3.00							
	Total	103.00							
28	Submersible Cable 1x3x10.0 Sq.mm (Page No.XLVII / Sl.No.9) (PWP, & IWTD SR 2018-19 Bangalore)								
		Mtr							
		2	3	345.00			**2070.00**	233.20	**482724.00**
	Basic Rate	220.00							
	Area Weightage @ 6%	13.20							
	Total	233.20							
29	Borewell Cap & Clamp Set (Page No.XLVII / Sl.No.17) (PWP, & IWTD SR 2018-19 Bangalore)								
		Each							
			3				**3**	1908.00	**5724.00**
	Basic Rate	1800.00							
	Area Weightage @ 6%	108.00							
	Total	1908.00							
30	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications - do- with 200mm outer dia (Page No.77 Item No.11.56.5 of PWP, & IWTD SR 2018-19 Bangalore)								
		Rmtr							
			3	20.00			**60.00**	1674.80	**100488.00**
	Basic Rate	1580.00							
	Area Weightage @ 6%	94.80							
	Total	1674.80							
31	15HP/11kW 15 Stage (submersible Three Phase 6 inch/150mm for 2018-19 (page no.XLI / Sl.No.38)								
		No							
			1				**1.00**	56400.48	**56400.00**
	Basic Rate	53208.00							
	Area Weightage @ 6%	3192.48							
	Total	56400.48							

Job Number - 003-21-000044				Estimate Cost Rs.				500.00	Lakhs
Sl. No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
32	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws 20"x20"x2.5" (P.No.24 It.No.5.6.6)								
		Each							
			3				3.00	292.00	876.00
	Electrical SR 2019-20	292.00							
33	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm (P.No.40 It.No.6.4.4)								
		Mtr							
			3	15.00			45.00	150.00	6750.00
	Electrical SR 2019-20	150.00							
34	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required 6 sqmm to 16 sqmm (P.No.41 It.No.6.5)								
		Mtr							
			3	15.00			45.00	11.88	535.00
	Electrical SR 2019-20	11.88							
35	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) Asphalt cutting (P.No.41 It.No.6.6.4)								
		Mtr							
			3	15.00			45.00	113.00	5085.00
	Electrical SR 2019-20	113.00							
36	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.(P.No.41 It.No.6.9)40mm								
		Mtr							
			3	4.00			12.00	335.00	4020.00
	Electrical SR 2019-20	335.00							
37	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. (P.No.42 It.No.6.10.2)16Sqmm								
		No							
	16Sqmm		3				3.00	270.00	810.00
	Electrical SR 2019-20	270.00							
38	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia (P.No.40 It.No.6.1)								
		No							
			3				3.00	2999.70	8999.00
	Electrical SR 2019-20	2999.70							
39	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.32 Amps (P.No.25 It.No 5.7.2)								
		No							
			6				6.00	174.00	1044.00
	Electrical SR 2019-20	174.00							

Job Number - 003-21-000044 | Estimate Cost Rs. 500.00 Lakhs

Sl. No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
40	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. (P.No.27 It.No.5.17.7)								
		No							
			3				3.00	1715.00	5145.00
	Electrical SR 2019-20	1715.00							
41	Fabricating supplying and mounting MS box made out 16SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete. (P.No.31 It.No.5.42.2)								
		Sq.Cm							
			3	21600			64800		
							64800	0.35	22680.00
	Electrical SR 2019-20	0 35							
42	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility 600mmx600mmx170mm (P.No.31 It.No.5.44.4)								
		No.							
			3				3.00	12081.00	36243.00
	Electrical SR 2019-20	12081.00							
43	KSRB 13-7.1-4: Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications NO KBS 13.2.16 / 13.13 Page No. 95 Item No. 13.55 / PWD SR 2018-19								
		No							
			3				3.00	1409.80	4229.00
	Basic Rate	.1330.00							
	Area Weightage @ 6%	79.80							
	Total	1409.80							
44	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete 50 mm dia. (P. No.97 / I. No. 13.81.3 PWD SR 2018-19								
		No							
			3				3.00	222.60	668.00
	50mm dia								
	Basic Rate	210.00							
	Area Weightage @ 6%	12.60							
	Total	222.60							
45	KSRB 2-2.1 : Earth work excavation by manual means for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification No, KBS 2.1 (a) / 2.3.5, Page No 5 & Item No 2.3)								
		Cum							
	Adithya Nagara		1	390.00	0.60	0.70	163.80		
	Doddabettalli Layout		1	460.00	0.60	0.70	193.20		
	Giridama Nagar		1	600.00	0.60	0.70	252.00		
	Ananthpura Village		1	780.00	0.60	0.70	327.60		
	Rajiv Gandhi Nagar		1	410.00	0.60	0.70	172.20		
							1108.80	316.94	351423.00

Job Number - 003-21-000044						Estimate Cost Rs.	500.00	Lakhs
Sl. No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Basic Rate	299.00							
	Area Weightage @ 6%	17.94							
	Total	316.94							
46	KSRB13-9 : Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure of outside diameter raising mains & exposed distribution pipes with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No. KBS 13.2.15.2 / 13.9 KSRB13-9.4 - do - 63 mm dia (Page No.96, Item No.13.73.2)								
		Rmtr							
	Adithya Nagara		1	390.00			390.00		
	Doddabettalli Layout		1	460.00			460.00		
	Giridama Nagar		1	600.00			600.00		
	Ananthpura Village		1	780.00			780.00		
	Rajiv Gandhi Nagar		1	410.00			410.00		
							2640.00	394.32	**1041004.80**
	Basic Rate	372.00							
	Area Weightage @ 6%	22.32							
	Total	394.32							
47	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 Page No. 155/ Item No. 20.18/ PWD SR 2018-19								
	for Road Cut portion	Cum							
	Adithya Nagara		1	390.00	0.60	0.25	58.50		
	Doddabettalli Layout		1	460.00	0.60	0.25	69.00		
	Giridama Nagar		1	600.00	0.60	0.25	90.00		
	Ananthpura Village		1	780.00	0.60	0.25	117.00		
	Rajiv Gandhi Nagar		1	410.00	0.60	0.25	61.50		
	for Asphalt Road								
	11th Main Cross Roads		1	34.60	4.40	0.25	38.06		
			1	81.00	5.00	0.25	101.25		
	8th Main Road		1	174.00	5.00	0.25	217.50		
	8th Main 1st Cross		1	68.00	5.00	0.25	85.00		
	8th Main 2nd Cross		1	28.00	5.00	0.25	35.00		
			1	87.00	5.00	0.25	108.75		
	9th Main Road		1	98.00	5.50	0.25	134.75		
	10th Main Road		1	68.00	5.40	0.25	91.80		
	11th Main 1st Cross Road		1	129.00	6.55	0.25	211.24		
	11th Main 3rd Cross Road		1	189.00	6.20	0.25	292.95		
	11th Main 3rd Cross Sub cross.1		1	32.00	5.00	0.25	40.00		
	11th Main 3rd Cross Sub cross.2		1	31.00	6.00	0.25	46.50		
	11th Main 3rd Cross Sub cross.3		1	31.00	5.60	0.25	43.40		
	11th Main 3rd Cross Sub cross.4		1	30.00	5.60	0.25	42.00		
	11th Main 3rd Cross Sub cross.5		1	29.00	5.20	0.25	37.70		
					Total Qty		**1921.90**	2001.28	**3846255.00**
	Basic Rate	1888.00							
	Area Weightage @ 6%	113.28							
	Total	**2001.28**							
48	Refilling available earth around pipelines, cables in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering lead upto 50m and lift upto 1.5m including cost of labour complete as per specification (P.No 6 I.No.2.11)								
		Cum							
	Adithya Nagara		1	390.00	0.60	0.45	105.30		

Job Number - 003-21-000044				Estimate Cost Rs.				500.00	Lakhs
Sl. No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Doddabettalli Layout		1	460.00	0.60	0.45	124.20		
	Giridama Nagar		1	600.00	0.60	0.45	162.00		
	Ananthpura Village		1	780.00	0.60	0.45	210.60		
	Rajiv Gandhi Nagar		1	410.00	0.60	0.45	110.70		
							712.80	128.26	**91424.00**
	Basic Rate	121.00							
	Area Weightage @ 6%	7.26							
	Total	128.26							
49	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 65mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 P.No.94 / It.No.13.38 PWD SR 2018-19							-	
		Each							
			12				**12.00**	2229.18	**26750.00**
	Basic Rate	2103.00							
	Area Weightage @ 6%	126.18							
	Total	2229.18							
50	Bescom Charges								
		Each	3				**3**	15000.00	**45000.00**
51	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (Page No.140 & Item No-18.47)								
		Cum							
	11th Main Cross Roads		1	34.60	4.40	0.25	38.06		
			1	81.00	5.00	0.25	101.25		
	for CC Roads								
	5th Cross Road, from 3rd to 9th Main		1	182.50	4.20	0.30	229.95		
	for CC Roads								
	Cross Roads		1	19.00	3.00	0.25	14.25		
			1	90.00	3.50	0.25	78.75		
	for New Rcc Drains								
	21st 'A' Ambedkar Road		1	180.00	0.80	0.25	36.00		
	21st 'B' Ambedkar Road		1	180.00	0.80	0.25	36.00		
	Ganesha Temple Road		1	110.00	0.80	0.25	22.00		
					Total Qty		**556.26**		
	Deduct 30% of Void Portion (Road Cuttings, Pot Holes and Dilapidated Portion)				-		166.88		
					Net Qty		**389.38**	952.94	**371057.68**
	Basic Rate	899.00							
	Area Weightage @ 6%	53.94							
	Total	**952.94**							
52	KSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by mechanical means attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM complete as per specifications.MORTH / Chapter 3 (Page No.146 & I.No.19.56)								
		Sqm							
	8th Main Road		1	174.00	5.00		870.00		
	8th Main 1st Cross		1	68.00	5.00		340.00		
	8th Main 2nd Cross		1	28.00	5.00		140.00		
			1	87.00	5.00		435.00		
	9th Main Road		1	98.00	5.50		539.00		
	10th Main Road		1	68.00	5.40		367.20		

Job Number - 003-21-000044				Estimate Cost Rs.				500.00	Lakhs
Sl. No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Deduct Road Cut Portion		-2	523.00	1.20		-1255.20		
	6th Main Road from 5th Cross to End Road		1	37.00	5.00		185.00		
	7th Main Road from 5th Cross to End Road		1	35.00	5.00		175.00		
	8th Main Road from 5th Cross to End Road		1	22.00	5.00		110.00		
					Total Qty		1906.00	41.34	78794.00
	Basic Rate	39.00							
	Area Weightage @ 6%	2.34							
	Total	41.34							
53	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms.thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2(P No. 13 / Item No.4.6)								
	coping	Cum							
	for Selected Reaches		2	260.00	0.15	0.10	7.80		
					Total Qty		7.80	5747.32	44829.00
	Basic Rate	5422.00							
	Area Weightage @ 6%	325.32							
	Total	5747.32							
54	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502 Complete with all lead and lift and as per the direction of the Engineer-in-Charge. Page No. 158/ Item No. 21.6/ PWD SR 2018-19 Current Rate w.e.f 01/07/2020								
	for Asphalt Road	Sqm							
	11th Main Cross Roads		1	34.60	4.40		152.24		
			1	81.00	5.00		405.00		
	8th Main Road		1	174.00	5.00		870.00		
	8th Main 1st Cross		1	68.00	5.00		340.00		
	8th Main 2nd Cross		1	28.00	5.00		140.00		
			1	87.00	5.00		435.00		
	9th Main Road		1	98.00	5.50		539.00		
	10th Main Road		1	68.00	5.40		367.20		
	11th Main 1st Cross Road		1	129.00	6.55		844.95		
	11th Main 3rd Cross Road		1	189.00	6.20		1171.80		
	11th Main 3rd Cross Sub cross.1		1	32.00	5.00		160.00		
	11th Main 3rd Cross Sub cross.2		1	31.00	6.00		186.00		
	11th Main 3rd Cross Sub cross 3		1	31.00	5.60		173.60		
	11th Main 3rd Cross Sub cross.4		1	30.00	5.60		168.00		
	11th Main 3rd Cross Sub cross.5		1	29.00	5.20		150.80		
					Total Qty		6103.59	29.68	181155.00
	Basic Rate	28.00							
	Area Weightage @ 6%	1.68							
	Total	29.68							
55	KSRRB M500- 15. Providing, laying dense graded bituminous macadam using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II (50mm to 75mm), crushed aggregates of specified grading premixed with 4.5% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications MORTH Specification No.507 (P.No.160 It.No.21.17.6) Current Rate w.e.f 01/07/2020								
	for Asphalt Road	Cum							
	11th Main Cross Roads		1	34.60	4.40	0.05	7.61		
			1	81.00	5.00	0.05	20.25		

Job Number - 003-21-000044				Estimate Cost Rs.				500.00	Lakhs
Sl. No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	8th Main Road		1	174.00	5.00	0.05	43.50		
	8th Main 1st Cross		1	68.00	5.00	0.05	17.00		
	8th Main 2nd Cross		1	28.00	5.00	0.05	7.00		
			1	87.00	5.00	0.05	21.75		
	9th Main Road		1	98.00	5.50	0.05	26.95		
	10th Main Road		1	68.00	5.40	0.05	18.36		
	11th Main 1st Cross Road		1	129.00	6.55	0.05	42.25		
	11th Main 3rd Cross Road		1	189.00	6.20	0.05	58.59		
	11th Main 3rd Cross Sub cross.1		1	32.00	5.00	0.05	8.00		
	11th Main 3rd Cross Sub cross 2		1	31.00	6.00	0.05	9.30		
	11th Main 3rd Cross Sub cross.3		1	31.00	5.60	0.05	8.68		
	11th Main 3rd Cross Sub cross.4		1	30.00	5.60	0.05	8.40		
	11th Main 3rd Cross Sub cross.5		1	29.00	5.20	0.05	7.54		
					Total Qty		**305.18**	6407.70	**1955499.00**
	Basic Rate	6045.00							
	Area Weightage @ 6%	362.70							
	Total	**6407.70**							
56	KSRRB 500-7:Providing and applying tack coat with bitumen emulsion using 80/100 grade bitumen (VG20) on the prepared black toped suface at 2.5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all materials, labour, HOM of Machineries complete as per Specifications . (P.No.158 & I.No.21 7) Current Rate w.e.f 01/07/2020								
	for Asphalt Road	Cum							
	11th Main Cross Roads		1	34.60	4.40		152.24		
			1	81.00	5.00		405.00		
	8th Main Road		1	174.00	5.00		870.00		
	8th Main 1st Cross		1	68.00	5.00		340.00		
	8th Main 2nd Cross		1	28.00	5.00		140.00		
			1	87.00	5.00		435.00		
	9th Main Road		1	98.00	5.50		539.00		
	10th Main Road		1	68.00	5.40		367.20		
	11th Main 1st Cross Road		1	129.00	6.55		844.95		
	11th Main 3rd Cross Road		1	189.00	6.20		1171.80		
	11th Main 3rd Cross Sub cross.1		1	32.00	5.00		160.00		
	11th Main 3rd Cross Sub cross.2		1	31.00	6.00		186.00		
	11th Main 3rd Cross Sub cross.3		1	31.00	5.60		173.60		
	11th Main 3rd Cross Sub cross.4		1	30.00	5.60		168.00		
	11th Main 3rd Cross Sub cross.5		1	29.00	5.20		150.80		
					Total Qty		**6103.59**	12.72	**77638.00**
	Basic Rate	12.00							
	Area Weightage @ 6%	0.72							
	Total	**12.72**							
57	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015 – do – using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) (P.No.162 Item No.21.78.12) Current Rate w.e.f 01/07/2020								
	for Asphalt Road	Cum							
	11th Main Cross Roads		1	34.60	4.40	0.03	4.57		
			1	81.00	5.00	0.04	16.20		
	8th Main Road		1	174.00	5.00	0.04	34.80		

Job Number - 003-21-000044				Estimate Cost Rs.				500.00	Lakhs
Sl. No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	8th Main 1st Cross		1	68.00	5.00	0.04	13.60		
	8th Main 2nd Cross		1	28.00	5.00	0.04	5.60		
			1	87.00	5.00	0.04	17.40		
	9th Main Road		1	98.00	5.50	0.04	21.56		
	10th Main Road		1	68.00	5.40	0.04	14.69		
	11th Main 1st Cross Road		1	129.00	6.55	0.04	33.80		
	11th Main 3rd Cross Road		1	189.00	6.20	0.04	46.87		
	11th Main 3rd Cross Sub cross.1		1	32.00	5.00	0.04	6.40		
	11th Main 3rd Cross Sub cross.2		1	31.00	6.00	0.04	7.44		
	11th Main 3rd Cross Sub cross.3		1	31.00	5.60	0.04	6.94		
	11th Main 3rd Cross Sub cross.4		1	30.00	5.60	0.04	6.72		
	11th Main 3rd Cross Sub cross.5		1	29.00	5.20	0.04	6.03		
					Total Qty		242.62	7537.66	1828796.00
	Basic Rate	7111.00							
	Area Weightage @ 6%	426.66							
	Total	7537.66							
	Sub-Total for CSR 2018-19								43761312.00
	Applicable GST Charges 12% on CSR 2018-19								5251357.00
	Detailed Project Reports (DPR) Charges 1%								490127.00
	Project Management and Quality Control (PMC) Charges 1%								490127.00
	Miscellaneous and unforeseen charges								7077.00
	Grand Total Amount Rs.								50000000.00

(Rupees Five Hundred Lakhs Only)

Administrative Sanction for Rs. ...500.00 Lakhs.
(Rupees Five Crore Only)
is accorded under head P-1878
Registered as CE No. 70 Subject
to conditions contained in enclosed memo
No.BBMP/EE/YNK/AS/70/2020-21 Dt. 17/11/2020

Executive Engineer

CERTIFICATE

1) The site has been inspected and the work is found to be necessary.
2) The rates adopted are as per PW,P IWTD,SR of 2018-19 and Approved Data Rate of Bangalore Circle.
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.
5) This work is not repeated in any other Programs/Grants.

CIVIL PRIME ★ CONSULTANTS AND ENGINEERS ★ Bangalore

Consultant
For Civil Prime Consultants and Engineers

Assistant Engineer
Ward No.024

Executive Engineer
Yelahanka - Division
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P.

AE, Ward no 12

Technical Sanction
Accorded For RS 500 Lakhs only
Head of A/C P-1878
CER NO :..115..... Dt:..29.05.2020

TA CE (YNK)